

Abstract

A recombinant hybrid virus which includes: (a) a deleted adenovirus  
5 vector genome having the adenovirus 5' and 3' *cis*-elements for viral replication  
and encapsidation and a deletion in an adenovirus genomic region selected  
from the polymerase region and/or the preterminal protein region, wherein the  
deletion essentially prevents the expression of a functional polymerase and/or  
preterminal protein from the deleted region and the hybrid virus does not  
10 otherwise express a functional polymerase protein; and (b) a recombinant  
adeno-associated virus (AAV) vector genome flanked by the adenovirus vector  
genome sequences of (a), wherein the recombinant AAV vector genome  
includes an AAV packaging sequence and a heterologous nucleic acid  
sequence, wherein the heterologous nucleic acid sequence is flanked by 5' and  
15 3' AAV inverted terminal repeats.